

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number  
**WO 2005/012217 A3**

- (51) International Patent Classification<sup>7</sup>: **C07C 51/41**
- (21) International Application Number:  
**PCT/GB2004/003182**
- (22) International Filing Date: **23 July 2004 (23.07.2004)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:  
**60/489,918** **25 July 2003 (25.07.2003)** **US**
- (71) Applicant (*for all designated States except US*):  
**PROMETIC BIOSCIENCES INC.** [CA/CA]; 6100  
Avenue Royalmont, Montreal, Quebec H4P 2R2 (CA).
- (71) Applicant (*for MN only*): **PROMETIC BIOSCIENCES  
LTD.** [GB/GB]; Freeport, Ballasalla, Isle of Man IM9 2AP  
(GB).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **DUCEPPE,  
Jean-Simon** [CA/CA]; 118 McAndrew, St Colom-  
ban, Quebec J5K 1K5 (CA). **EZZITOUNI, Abdallah**  
[CA/CA]; 1943 Chemin Nice, Laval, Quebec H7S 1G5  
(CA). **PENNEY, Christopher** [CA/CA]; 12787 Joron,  
Pierrefonds, Quebec H8Z 3K7 (CA). **ZACHARIE, Bou-  
los** [CA/CA]; 3202 Honore de Balzac, Laval, Quebec H7P  
5Y3 (CA).
- (74) Agent: **GILL JENNINGS & EVERY**; Broadgate House,  
7 Eldon Street, London EC2M 7LH (GB).
- (81) Designated States (*unless otherwise indicated, for every  
kind of national protection available*): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.
- (84) Designated States (*unless otherwise indicated, for every  
kind of regional protection available*): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).
- Published:**
- *with international search report*
  - *before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments*
- (88) Date of publication of the international search report:  
**7 April 2005**
- For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: PREPARATION OF METAL SALTS OF MEDIUM-CHAIN FATTY ACIDS

(57) Abstract: A process for the preparation of metal salts of a medium-chain length monocarboxylic fatty acid comprises reacting the precursor free fatty acid, dissolved in a suitable solvent, with the appropriate metal salt. The process uses a relatively high concentration of free fatty acid as a soluble reactant and produces metal fatty acid salts at high purity and high yield at a reasonable cost.

WO 2005/012217 A3